

AN ELECTRO-OPTIC DEVICE HAVING
A SELF-CLEANING HYDROPHILIC COATING

ABSTRACT OF THE DISCLOSURE

An electro-optic device is disclosed having a self-cleaning, hydrophilic optical coating.

- 5 The electro-optic device preferably forms an external rearview mirror for a vehicle. The optical coating preferably includes photocatalytic layer(s), a hydrophilic layer, and a color suppression coating. The electro-optic device is preferably an electrochromic mirror. The disclosed optical coating exhibits a reflectance at the front surface of the reflective element that is less than about 20 percent, and has sufficient hydrophilic properties such that water droplets
- 10 on a front surface of the optical coating exhibit a contact angle of less than about 20°. The mirror exhibits a C* value of less than 25.